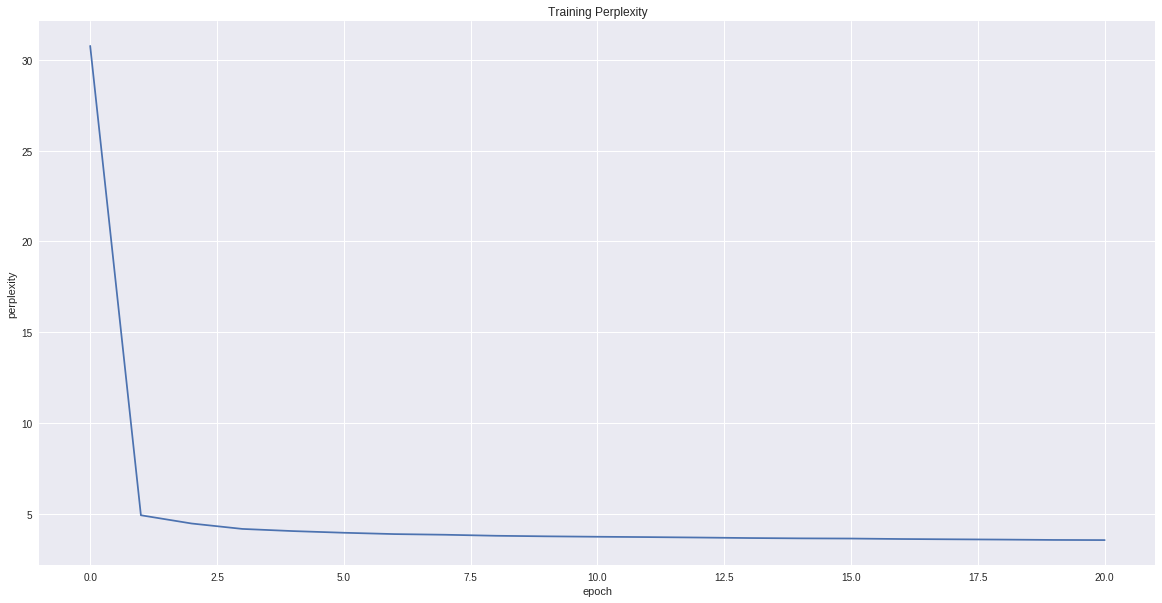
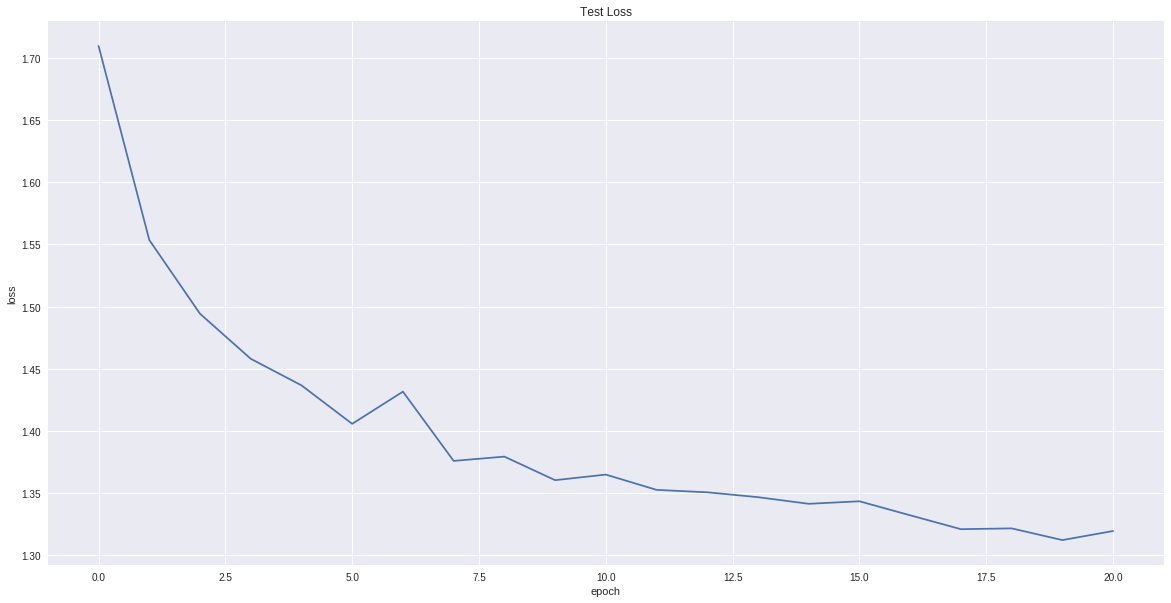
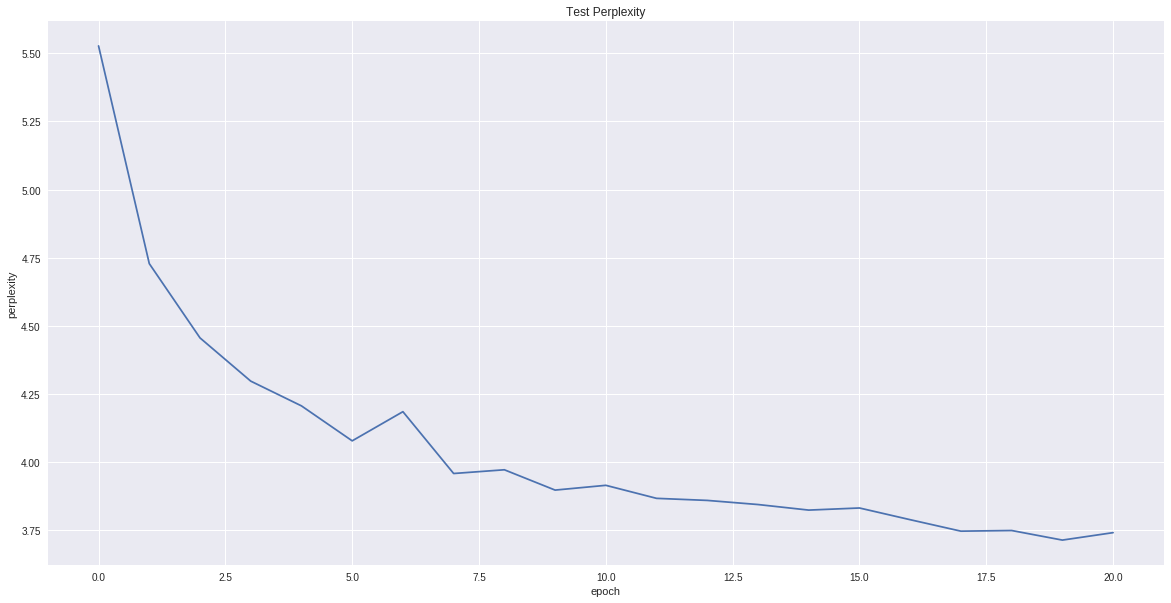
Short Answer Questions – Word Model

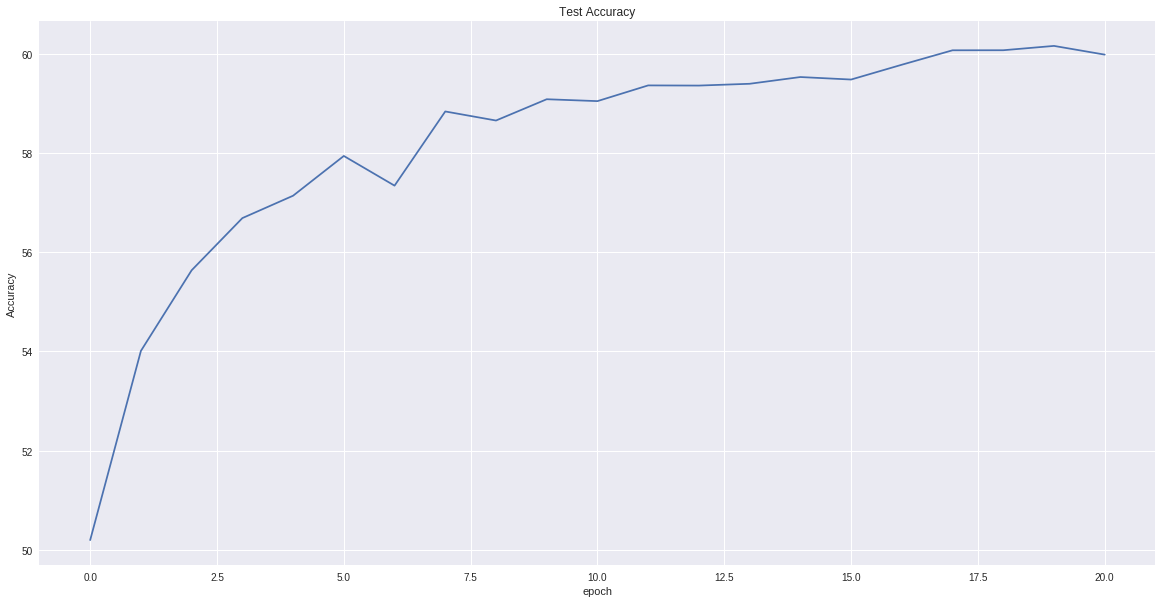
# Train / Test Performance Figures

# 









# Final Test Performance

Accuracy = 60%, Perplexity = 3.75

# Sentence Generation Results

Prompt: ‘Harry Potter and the’

Sample output (funny parts are underlined):

* generated with max (temperature = 0.0) 🡪 Harry Potter and the second was still staring at him and said, "I supposed to be all right to be able to be able to be able to be able to be able to be able to be able to be able to be able to be able to be able to be ab
* generated with sample (temperature = 0.0) 🡪 Harry Potter and then said to his feet and said, "I supposed to be all right to be able to be able to be able to be able to be able to be able to be able to be able to be able to be able to be able to be able to be able
* generated with beam (temperature = 0.0, beam width = 5) 🡪 Harry Potter and the were so that he was so for the surprise of the surver of the surver of the side of the side of the side of the side of the side of the side of the side of the side of the side of the side of the side

It is interesting that the two sampling methods have got into predicting the same sequence of words (to be able to) a little sooner than beam search (of the side). It is likely because beam search explores the space more by following different beams for several steps.

Another interest observation is the typos in the beams.

# Comparison of Sampling Methods

TBW

# Comparison of Temperature Values

TBW

Short Answer Questions – New Corpus

# Corpus Information

Name: Lord of the Rings, Number of Characters = ###

# Comparison of Sentence Generation on the Old and New Corpus

TBW

# Sample Output

TBW

Short Answer Questions – Student Forcing

# Difficulties with Student Forcing

Training becomes slow and unstable. ###

# Comparison with Teacher Forcing

The results are better with teacher forcing as by feeding in the correct value we prevent the error from being accumulated. ###

# Sampling Output

TBW